



Mean, Median and Mode of Hours Slept Per Night

How to Get a Random Sample from CensusAtSchool

Go to the CensusAtSchool [Random Sampler](#) to download a sample.X

Reference year: (select year) **Sample size:** 100 students

Select questions: Hours slept per night

Location: Select location

Year level: (select a range of year levels)

To protect privacy there is a rule built into the sampler that the requested sample size cannot exceed 10% entered.

Task:

- 1.** In your CensusAtSchool random sample, find the question about hours slept/night, and write the first ten values below.

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- 2.** Showing your working, calculate the mean, median and mode for the above data set.

Mean

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Media

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Mode

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- 3.** You are told that the mean hours slept/night of a sample is 9 hours, a median is 9 hours and a mode of 9 hours. Create a realistic sample of 10 subjects that will give a mean, median and mode of 9 hours slept per night. You cannot have more than two numbers that are identical.

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- 4.** Ask your neighbour to check your data: "This data sample of ten has a mean of 9 hours, a mode of 9 hours and a median of 9 hours."

Signed: _____



Extension:

Explain in words how you went about creating a sample of ten numbers that had a mean of 9 hours, a mode of 9 hours and a median of 9 hours.